



Quality Measurement 106

Measurement in Action:

Modelling Improvement



How to interact during the webinar



Use the Chat function for questions for the **Technical Team**



Use the Q&A function for questions for the presenter(s)



Dr. Marie Schweinebraten, DMD

Chair, DQA Education
Committee





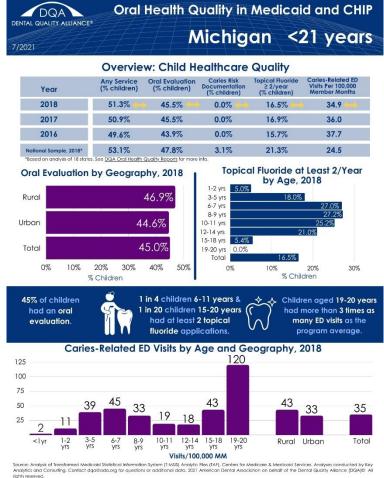


MEASURE and **IMPROVE**





MEASURE and IMPROVE



https://www.ada.org/resources/research/dental-quality-alliance/dqa-improvement-initiatives



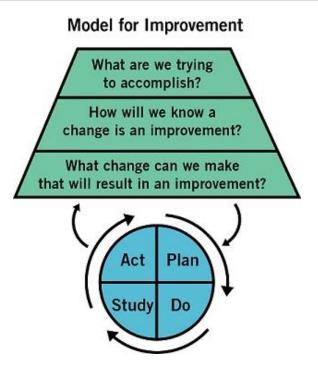
Learning Objectives

By the end of this webinar, participants will be able to:

- Gain familiarity with the Institute for Healthcare Improvement's Model for Improvement.
- Learn how the DQA has incorporated clinical examples to support systems-level improvement.
- Understand how this model for improvement has been implemented in two dental clinics to improve the quality of care.

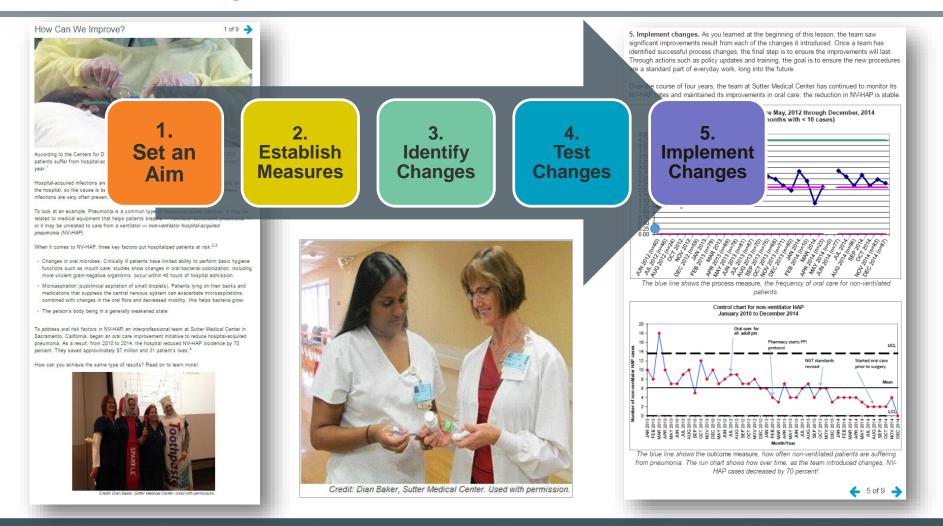
QI 102: How to Improve with the Model for Improvement

- Lesson 1: An Overview of the Model for Improvement
- Lesson 2: Setting an Aim
- Lesson 3: Choosing Measures
- Lesson 4: Developing Changes
- Lesson 5: Testing Changes





Clinical Example





Speakers



<u>Dr. Irene Hilton</u>, is a dental consultant with NNOHA and a clinician at the San Francisco Department of Public Health.

<u>Dr. Michael J. Raizen</u>, is a dentist with Denver Health and Hospitals, the safety net provider of integrated healthcare in Denver, Colorado.

Dr. Angela Relf, is the dental director at the Safford Clinic with the Arizona Department of Corrections and previously served as the Dental Chair at Mountain Park Health Center in Phoenix, Arizona.



Disclosures



Using the Model for Improvement at the Practice Level

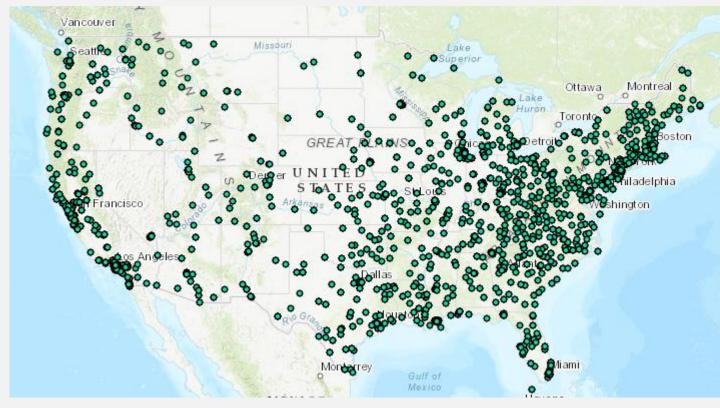
The Health Center Experience

Irene Hilton, DDS, MPH

National Network for Oral Health Access

HRSA Funded Health Centers











Health Center Facts – 2020 UDS

• Number Health Center programs: 1,375

Number HC with dental programs: 1,090 or 79%

Number medical users: 24,529,374

Number dental users: 5,155,619



HRSA UDS: Quality of Care Measures

Early Entry into Prenatal Care

Childhood Immunization Status

Cervical and Breast Cancer Screening

Weight Assessment and Counseling for Nutrition and Physical Activity of Children and Adolescents

Preventive Care and Screening: Body Mass Index (BMI) Screening and Follow-Up Plan

Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention

Statin Therapy for the Prevention and Treatment of Cardiovascular Disease

Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet

Colorectal Cancer Screening

HIV Measures

Depression Measures



2015- HRSA UDS Sealants Measure

NUM: How many received a sealant on a permanent first molar in the reporting year

DEN: Of dental patients, aged 6-9 years at elevated caries risk, of record in the practice in the reporting year, who needed a sealant in a permanent first molar



Denominator Exclusions (subtract from denominator):

All four molars are not candidates for sealants.



UDS Sealant Measure (%)

Dental Sealants for Children 6-9 at Moderate or High Caries Risk





About NNOHA

- Founded in 1991 by FQHC Dental Directors
- Membership now > 3,500
- HRSA oral health training/technical assistance grantee
- www.nnoha.org





Training/Technical Assistance to Improve on Sealants Measure

- Five years of 9-month IHI BSC Quality Improvement Collaboratives
 - Develop change package of strategies to improve on measure
- Yearly webinar
- Yearly conference sessions
- Yearly FAQ
- Two yearly virtual Learning Communities



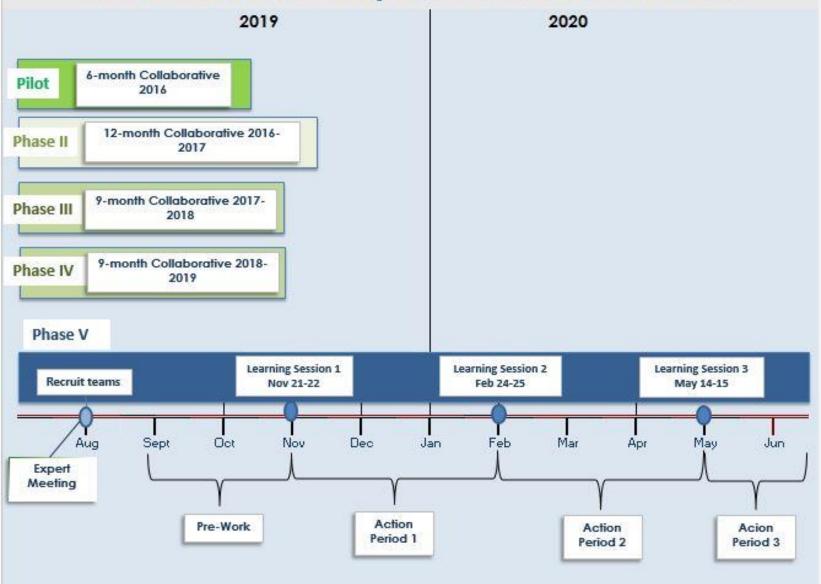
Sealant Collaborative Rationale

- Best Practices to manage chronic health conditions
- Gap between best science/evidence and current practice

- Best Practices are not being used because:
 - Lack of knowledge
 - Non-supportive systems
 - Resistance to change



NNOHA Sealants Improvement Collaborative





Model for Improvement

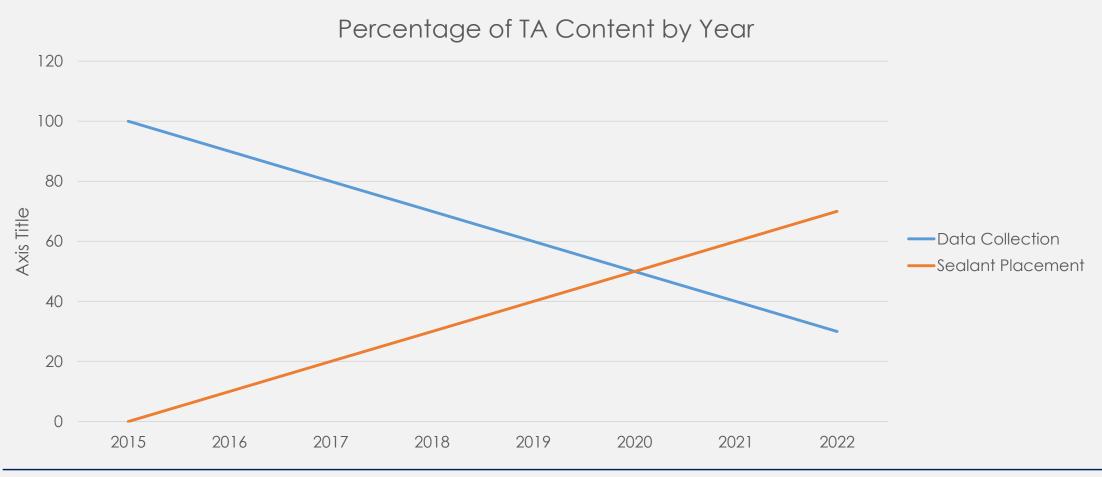
What are we trying to accomplish?

How will we know that a change is an improvement?

What change can we make that will result in improvement?



Focus of Technical Assistance Evolves





Top 6 Strategies for Placing More Sealants

- #6-Treatment plan more sealants
- #5- Equipment & Materials
- #4- Optimize RDH & DA workforce
- #3- Develop sealant workflows
- #2- Prioritize Sealant Placement > routine restorative

#1 SAME DAY SEALANTS





Health Center Stories



Quality Measures

My journey into Quality Improvement

Dr. Angela Relf

Do you know if your patient care is sufficient

- ► How do you know?
- ► How can I tell?

Where do I Start?

- HRSA Quality measure
- Am I following those measure/s?

Based on your findings

- What can I change?
- How do I implement those changes?

How are we doing comparatively?

- What are other clinics/offices doing?
- ► How can I reach out to other clinics/offices?

Quality Measurement 106: Measurement in Action "Modeling Improvement"



DENVER HEALTH.

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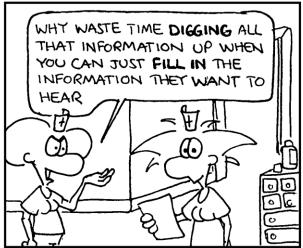
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WHY SHOULD WE IMPROVE QUALITY?



Nurstoons





MEANWHILE AT THE QUALITY
DEPARTMENT...

SO, AS YOU CAN SEE, OUR
NUMBERS CONTINUE TO
IMPROVE EVERY MONTH

SO, 29 N. S.

www.nurstoon.com



SOME OF MY REASONS FOR QI IN DENTAL...

- ▶ I'm the Chair of the Dental QI Workgroup at Denver Health – It's my job!
- ➤ I DON'T LIKE THE PHRASE "this is the way we have always done it." I just want to strangle someone when I hear that!
- The other phrase I tell everyone that I don't want to hear anymore is "It's only..."
 - "A recall exam."
 - "It's only a prophy"
 - "It's only sealants"

By saying "it's only" means it has little or no value



1. Plan the Initiative.

Current process for Dental Assistant Schedule wasn't working.

Video	Status	Time		Age/Gender	Visit Type	Provider
This is not	Sch	8:00 AM		8 y.o. / M	Dental Ped	LOWRY ASSI
This is not	Sch	8:45 AM	· ·	5 y.o. / M	Dental Ped	LOWRY ASSI
This is not	Sch	9:30 AM		32 m.o. / M	Dental Ped	LOWRY ASSI
This is not	Sch	10:15 AM		15 m.o. / M	Dental Ped	LOWRY ASSI
This is not	Sch	11:00 AM		13 y.o. / M	Dental Teen	LOWRY ASS
This is not	Sch	1:00 PM		4 y.o. / F	Dental Offic	LOWRY ASSI
This is not	Sch	2:00 PM		13 y.o. / F	Dental Offic	LOWRY ASS
This is not	Sch	3:00 PM		8 y.o. / F	Dental Sealant	LOWRY ASS
This is not	Sch	3:45 PM		9 y.o. / M	Dental Ped	LOWRY ASSI
This is not	Sch	4:30 PM		13 y.o. / M	Dental Teen	LOWRY ASS
This is not	Sch	5:15 PM		12 y.o. / M	Dental Ped	LOWRY ASS



CURRENT STATE









PROBLEMS – SOLUTIONS?

- √ Supplies Not Close at Hand
- √ Try Moving Supplies to Operatories
- ✓ Maybe We Don't Need to Re-invent the Wheel
- ✓ Observe Other Clinics
- ✓ Time Spent Waiting for Dentist to do Exam
- ✓ Can We Change Dentist Behavior?



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IMPLEMENT, SUSTAIN

MONTBELLO DENTAL SEALANT KANBAN

DENTAL ASSISTANT SCHEDULE

DATE OF INDIANA

TIME	MRN	AGE	NEW/ RECALL	X-RAYS NEEDED	SEALANTS PRESENT	POSSIBLE SEALANTS?	SEALANTS PLACED?		SHOW NO SHOW	COMMENTS	
8:00		6	N	Y. BW	N	Y	Υ	N			
8:45		11	R	N	Y	N	Υ	N			
9:30		18'	N	N	N	N	Υ	N		Lap Exam	
10:15		7	R	YBW	N	Y	Υ	N		MOLARS PARTIALLY ERUPTED 12/19	
11:00		12	-	_	4	Y	Υ	N		SEAL TOOTH #5	
							Υ	N			
1:00		2	N	N	N	Ν	Υ	N	(SIBLINGS	
1:45		2	N	N	2	N	Υ	N	1	LAPEKAMS	
2:30		10	R	Y-BW	Y	N	Υ	N	,	pe post due	
3:15		12	N	Y . PAW	N	N	Υ	N		X- RAP FEXAM ONLY DPS SORC WIL Place scalarts	
4:00		4	R	4 - If possible	N	N	Υ	N			

X-RAY GUIDFLINES

BWs & OCCLUSAL ANNUALLY

PANORAMIC AT 6 YEARS, 12 YEARS, AND 18 YEARS

WEATHER CLEAR





My Favorite PDSA

- Things Did Not Go Well Initially
- Created "Kanban"
- The Roadmap of What's Up next
- Once Created, Things Went Much Smoother
- Revised at Least 10 Times!

Revised 02/17/2020





Dental Sealants Placed by Same-Day/Planned (6 to 14 Years)

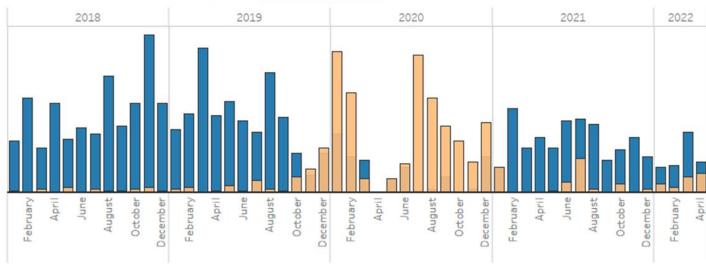
Visit Month April 2022

Department Name Montbello Dental

Age Yrs Vst 6 to 14

	Eligible Teeth in Month	Eligible Teeth Sealed in Month	Percent Eligible Teeth Sealed in Month	Eligible Teeth Sealed in Month (Same-Day)	Percent Teeth Sealed in Month (Same-Day)	Eligible Teeth Sealed in Month (Planned)	Percent Teeth Sealed in Month (Planned)
April 2022	118	28	24%	11	39%	17.0	61%

Sealants Completed in Month by (%) Planned / Same-Day





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Sealant Trend by Month (6 to 14 years)

Select Measure

All Eligible Teeth Sealed
At Least 1 Tooth Sealed

Department Name Montbello Dental

Select Age Range 6 to 14



	2018	2019	2020	2021
Eastside Dental	8% (74/957)	19% (117/631)	21% (144/692)	15% (146/980)
Lowry Dental	17% (138/834)	24% (190/786)	22% (89/412)	28% (141/497)
Montbello Dental	26% (156/592)	33% (181/543)	53% (158/296)	28% (129/462)
OMC Dental	15% (74/507)	14% (70/498)	15% (74/478)	12% (58/482)
Pediatric Dental Clinic				37% (104/284)
Peña Dental	14% (103/743)	23% (170/725)	28% (145/520)	24% (183/749)
Westside Dental	24% (232/966)	20% (173/886)	24% (163/680)	18% (141/803)



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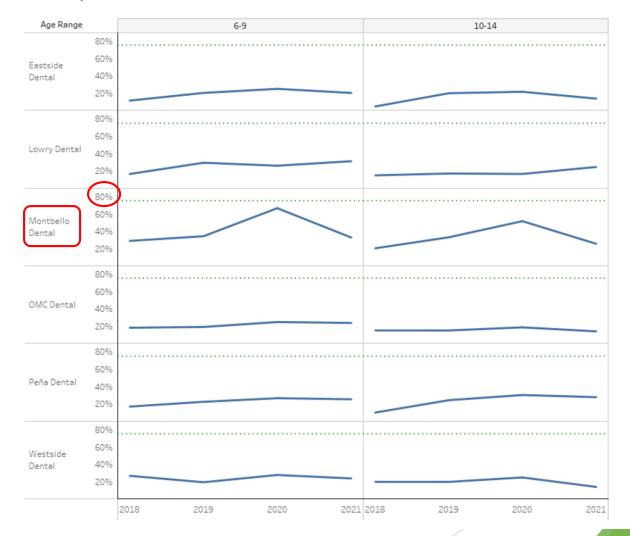
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Measure Trend by Clinic







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Measure Trend by Clinic



Age Range		6-9
Eastside Dental	80%	
	60%	
	40%	
	20%	
	80%	
Lowry Dental	60%	
Lowry Dental	40%	
	20%	
	80%	
Montbello Dental	60%	
ivionibello bental	40%	
	20%	
	80%	
OMC Dental	60%	
	40%	
	20%	
Peña Dental	80%	
	60%	
	40%	
	20%	
	80%	
Westside Dental	60%	
westside Delital	40%	
	20%	
	2018	2019 2020 20



Dental Assistant Schedule Same Day Sealants Standard Work





Dr. Michael Raizen

Montbello Family Health Center

Dental Clinic

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Dental Department Dental Assistant Standard Work

Dental Assistant Schedule - Same

Day Sealants
Documentation Number/Revision #1

Page 1 of 1

Date: 03/20/2020

Executive Sponsor:

I. Purpose

Process Owner:
Michael Raizen

- To define responsibilities of Dental Team members in relation to Dental Assistant Visit
- To ensure that the Dental Assistant Visit accomplishes maximum preventive Dental care by way of fluoride application and same day sealant application.

II. Background/Scope

Evidence Based Research indicates that the only effective Preventive Dental procedures are placement of fluoride varnish and placement of Dental Sealants. This process will ensure that In an effort to make the best use of the "Dental Sssistant Visit," a process has been designed to

III. Responsibility

It is the responsibility of every pharmacy technician to know where to access the duty sheets, how to fill them out correctly, and what type of information should be passed on during sign-off.

IV. Procedure and Process Steps

	1 Toteware and 1 Totess Steps						
Step	Actions	When	Key Points	Why			
1	Retrieve duty sheet for	Beginning	*Make more copies if needed	To use as a guide/reference for			
	your job assignment for	of each shift	*Record name and date	expectations and duties assigned			
	the day			to each job			
2	Use duty sheet to guide	Throughout	Make any necessary notes and/or	*To ensure all responsibilities are			
	your workflow	the shift	reminders for yourself on this sheet	completed on each shift			
3	Record any notable items	Throughout	*Any unusual medications being	*To increase productivity			
-	that should be mentioned	the shift	used on a patient	*To decrease errors			
	during sign-off		*Problems/resolutions that came up	*To facilitate a smooth-running			
			during the shift	operation			
			*Unfinished tasks	*Provide exceptional service to			
			*Shortages/outages	our patients and other health care			
			*Highlights from Huddle	providers who are taking care of			
			*Any other pertinent info	our patients			
4	Provide a complete and	End of shift	Allow for a quiet and uninterrupted	*See above			
	effective sign-off with the		sign-off to ensure a complete hand-				
	next staff member coming		over of duties and responsibilities.				
	on duty						
5	Sign this sheet, person	End of shift	Signatures must be present, and	These sheets will serve as a			
	receiving sign-off signs		sheet filed in the correct place	reference for job completion and			
	this sheet, and file it under			acknowledgement of effective			
	the day of the week tab in			sign-off. They will be audited for			
	the Technician Duty			completeness and sign-off			
	Sheets binder.			content.			

Thank you

My Contact Information:

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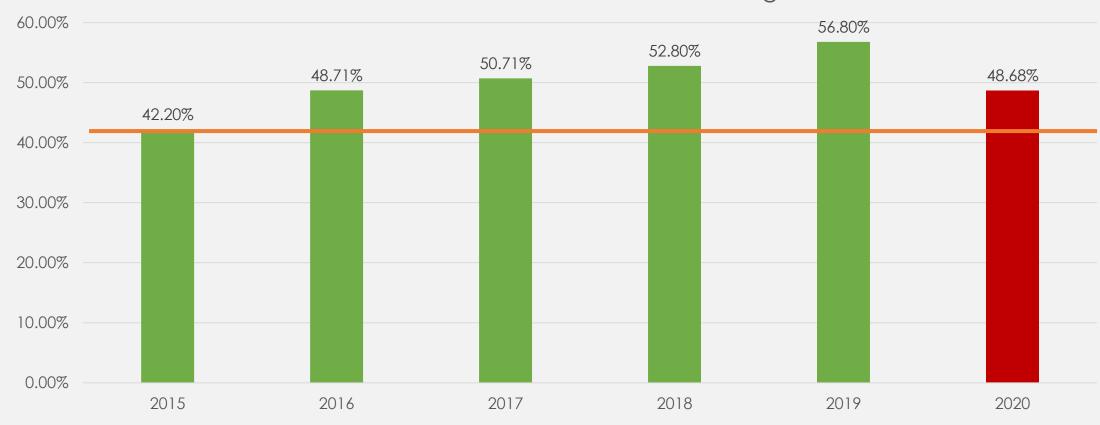


QI Results



UDS Sealant Measure (%)

Dental Sealants for Children 6-9 at Moderate or High Caries Risk





Conclusion

- Always changing: Environment in which health care/oral health care exists
- Never changes: Our mission to strive to provide the highest quality care we can to the populations we serve





Contact Us!



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Questions about CE, please email CE_Online@ada.org

A recording of this webinar will be available on ADA.org/DQA within the next few weeks.



For More Information

Email DQA: dqa@ada.org

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